

ASTD/TDI Project Static Report

Segmented Gate System

Focus Area: Subsurface Contaminants Focus Area

TTP No.: OH08SD12

Lead Site: Ohio

Project No.: 98-TDI-11

Tech ID/TMS No.: 2158

Related Publication(s): N/A

Web Page(s):

Description: SGS characterization and mechanically separates radioactively contaminated soils. It is a transportable radioactivity detection system with a motorized conveyor belt, a variable belt speed controller, air-activated segmented gates, a radionuclide assay computer, and two arrays of sodium iodide and beta detectors.

Application: SGS is best suited to sort soil contaminated with U, Th, Cs, Sr, Am, and Pu; with no more than two radionuclides present in heterogeneously contaminated soil, and sites with >500 yds of soil. Previous demo's at SRS ('95) and LANL ('96) resulted in volume reductions of 99% and 97% respectively.

Location(s): Mound

Technology(ies):

Segmented Gate System

	Funding (\$K):	<u>FY-98</u>	<u>FY-99</u>	<u>FY-00</u>	<u>FY-01</u>	<u>Total</u>
TTP No.:	OH08SD12	\$2,085	\$1,265	\$200	\$0	\$3,550
Leverage Source:	EM-40					\$1,800
						\$5,350
				Funding Total (\$K):		\$5,350

Cost Savings (\$M):	<u>Proposal</u>	<u>Deployment Plan/TTP</u>	<u>Current Focus Area Projection</u>
	Pending	Pending	\$45,000